

BIOLOGY OF ALPHA₂-MACROGLOBULIN, ITS RECEPTOR AND RELATED PROTEINS
DAY ISESSION I. THE α_2 M RECEPTOR/LRP I

Co-chairs, D. Strickland, J. Gliemann

- 8:30 - 9:05 D. Strickland. *Overview of the α_2 M receptor/LRP and RAP*
9:05 - 9:40 J. Herz. *Genetic Analysis of the LDL Receptor Gene Family in the Mouse.*
9:40 - 10:15 J. Gliemann. *Analysis of Ligand binding by the α_2 M receptor/LRP*
10:15 - 10:50 R. Mahley. *Role of α_2 M receptor/LRP in lipoprotein metabolism*
10:50 - 11:10 COFFEE AND DISCUSSION
11:10 - 11:35 W. Schneider. *Cell-Specific expression of α_2 M receptor/LRP*
11:35 - 12:00 U. Beisiegel. *Role of lipoprotein lipase in chylomicron metabolism*
12:00 - 12:25 A. Schwartz. *The α_2 M receptor/LRP and Endocytosis of Plasminogen Activators*
12:30 - 2:00 LUNCH

SESSION II. THE α_3 M RECEPTOR/LRP II

Co-chairs, F. van Leuven, P. Armstrong

- 7:00 - 7:35 M. Farquhar. *gp330/44-Heymann nephritis antigenic complex*
7:35 - 8:00 S. Argraves. *gp330, a Receptor related to α_2 M receptor in structure and function*
8:00 - 8:25 S. Moestrup. *Binding and endocytosis of proteins by the epithelial gp330*
8:25 - 8:50 D. FitzGerald. *The α_2 M receptor binds and internalizes *Pseudomonas* exotoxin*
8:50 - 9:15 J. Nimpf. *Primary Structure and gene organization of Chicken Somatic LRP*

DAY 2.SESSION III. α_2 M STRUCTURE AND THE PROTEINASE REACTION.

Co-chairs, L. Sottrup-Jensen, S. Pizzo

- 8:30 - 9:05 F. Van Leuven. *The human and mouse α_2 M family*
9:05 - 9:40 L. Sottrup-Jensen. *Role of Thiol Esters in α_2 M Proteinase binding mechanism.*
9:40 - 10:15 J. Quigley. *α_2 M in the Ancient Horseshoe Crab: A Structural and Functional Invertebrate Homologue.*
10:15 - 10:50 E. Delain. *Structure of α_2 M deduced by electron microscopy*
10:50 - 11:10 COFFEE AND DISCUSSION
11:10 - 11:35 J. Stoops. *Structure-function relationships of human α_2 M*
11:35 - 12:00 N. Biosset. *Three-dimensional reconstruction of human α_2 M*
12:00 - 12:25 R. Feinman. *Reaction of α_2 M with proteinases*
12:30 - 2:00 LUNCH

SESSION IV. POSTER SESSION

2:30 - 5:00 POSTERS

DAY 3**SESSION V. PHYSIOLOGY AND PATHOLOGY.**

Co-chairs, S. Gonias, W. Borth

- 8:30 - 9:05 W. Borth. α_2M , a Multifunctional binding protein with targeting characteristics
9:05 - 9:40 S. Gonias. α_2M and α_2M receptor/LRP: A Growth Regulatory Axis
9:40 - 10:15 S. Pizzo. α_2M , a Biological effector Molecule
10:15 - 10:50 P. Heinrich. Regulation of α_2M gene expression

10:50 - 11:10 COFFEE AND DISCUSSION

- 11:10 - 11:35 J. Bonner. Modulation of Platelet Derived Growth Factor Action by α_2M .
11:35 - 12:00 A. Ikai. Modulation of Immuno- and neuronal Cell Activities by α_2M .

12:00 - 1:30 LUNCH

- Grants*
1:30 - 1:55 R. Coleman. Significance of the Regulation of plasma kallikrein by α_2M
1:55 - 2:20 T. McCaffrey. TGF- β 1/ α_2M interactions in human Atherosclerotic Smooth Muscle Cells.
2:20 - 2:45 P. Gettins. Binding of EGF to human α_2M : Significance for cytokine α_2M interactions
2:45 - 3:10 J-J. Feige. α_2M and the Control of Adrenocortical Steroidogenic Function.
3:10 - 3:35 A. Vaheri. α_2M in Regulation of Pericellular Plasminogen Activation.

3:35 - 4:00 COFFEE

SESSION VI. OUTSTANDING PROBLEMS IN α_2M CHEMISTRY AND BIOLOGY

4:00 - 5:00 Panel Discussion

Discussants D. Strickland, J. Glieman, F. van Leuven, P. Armstrong, L. Sottrup-Jensen, S. Pizzo,
S. Gonias, W. Borth, R. Feinman.